

State Geological Survey
WICHITA BRANCH
KANSAS DRILLERS LOG

IMPORTANT
Kans. Geo. Survey request
samples on this well.

15-191-20678

API No. 15 — 191 — 20,678
County Number

Operator
Raymond Oil Co., Inc.

Address
200 West Douglas, Suite 800 Wichita, Kansas 67202

Well No. #1 Lease Name Duff

Footage Location
330 feet from (N) line 990 feet from (W) line

Principal Contractor DaMac Drlg. Inc. Geologist Richard S. Rowland

Spud Date 6-14-77 Total Depth 4318 RTD 4314 LTD P.B.T.D.

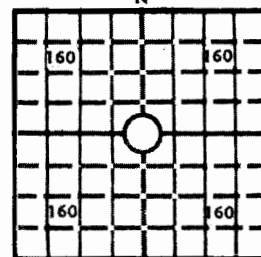
Date Completed 7-7-77 Oil Purchaser

S. 24 T. 31 R. 3 E W

Loc. NE NW SE

County Sumner

640 Acres



Locate well correctly

Elev.: Gr. 1317

DF KB 1328

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs./ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface		8-5/8		304		275	3% Gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

TUBING RECORD

Size	Setting depth	Packer set at			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
RATE OF PRODUCTION PER 24 HOURS	Oil Gas Water Gas-oil ratio
	bbls. MCF bbls. CFPB
Disposition of gas (vented, used on lease or sold)	Producing interval (s)

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Raymond Oil Company, Inc.		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:	
Well No. 1	Lease Name Duff	Dry Hole	
S 24 T31S R 3 EX W			
WELL LOG Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.	
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME
			DEPTH
DST #1 Open 30-30-30-30 Rec. 30' mud Pressures questionable as tool was plugging	3942	3955	LOG TOPS Indian Cave 1652 Elmont 1891 White Cloud 2044 Howard 2076
DST #2 Open 30-30-60-30 Wk blo, increasing to strong Rec. 2280' SW FP 115-618 - ISIP 1418 - FP 641-1064 FSIP 1418	4286	4318	Severy Sd 2160 Topeka 2218 Heebner 2620 Iatan 2940 KC 3254 B/KC 3522 Cherokee 3744
DST #3 (Straddle) Packer failure	3890	3972	Miss Chert 3920 Miss Dol 3940 Kinderhook 4247
DST #4 (Straddle) Open 60-30-30-30 Fair blo, increasing to good blow Rec. 60' mud - 240' GCM - 90' oil stained mud FP 138-253 - ISIP 595 - FP 253-253 FSIP 595	3808	3972	Simpson 4310 LTD 4314
Plugged 7-7-77			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received	RAYMOND OIL COMPANY, INC. <i>Wm M Raymond</i> Wm. M. Raymond President		
	Title Sept. 14, 1977 Date		